



21559

PATENT TRADEMARK OFFICE

RECEIVED
APR 11 2001
TECH CENTER 1600/2900

Sheet 1 of 1

SUBSTITUTE FORM PTO-1449 (MODIFIED) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. §1.98(b))	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	01997/521003
		Serial No.	09/717,743
		Applicant	Rajesh Ranganathan et al.
		Filing Date	November 21, 2000
		Group	1632
		IDS Filed	April 5, 2001
		Customer No.	21559

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

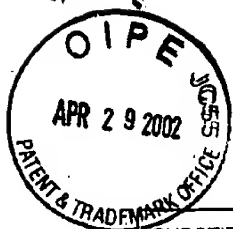
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

70	Ali et al., "Ionotropic and metabotropic activation of a neuronal chloride channel by serotonin and dopamine in the leech <i>Hirudo medicinalis</i> ," <i>Journal of Physiology</i> , 509.1: 211-219, 1998.
1	De Montigny et al., "Tricyclic antidepressants: long-term treatment increases responsivity of rat forebrain neurons to serotonin," <i>Science</i> , 202:1303-1306, 1978.
	Garner et al., "Serotonin activates Cl ⁻ channels in the apical membrane of rat choroid plexus epithelial cells," <i>Eur. J. Pharmacol.</i> , 239:31-37, 1993.
	Hung et al., "Regulation of mouse choroid plexus apical Cl ⁻ and K ⁺ channels by serotonin," <i>Brain Res.</i> , 617:285-295, 1993.
	Koumenis et al., "Identification of Three Proteins in the Eye of Aplysia, Whose Synthesis Is Altered by Serotonin (5-HT)," <i>Journal of Biological Chemistry</i> , 270(24):14619-14627, 1995.
	Lessmann et al., "Two kinetically distinct 5-hydroxytryptamine-activated Cl ⁻ conductances at Retzius P-cell synapses of the medicinal leech," <i>J. Neurosci.</i> , 15:1496-1505, 1995. *
	Lessmann et al., "Development of Serotonin-Induced Ion Currents in Identified Embryonic Retzius Cells From the Medicinal Leech (<i>Hirudo medicinalis</i>)," <i>The J. of Neuroscience</i> , 11(3):800-809, 1991
	Liu et al., "High-Throughput Isolation of <i>Caenorhabditis elegans</i> Deletion Mutants," <i>Genome Research</i> , 9:859-887, 1999.
	Madison et al., "Phorbol esters block a voltage-sensitive chloride current in hippocampal pyramidal cells," <i>Nature</i> , 321:695-697, 1986.
	Munsch and Schlue, "Intracellular chloride activity and the effect of 5-hydroxytryptamine on the chloride conductance of leech Retzius neurons," <i>Eur. J. Neurosci.</i> , 5:1551-1557, 1993.
	Parra et al., "How many subtypes of inhibitory cells in the hippocampus?," <i>Neuron</i> , 20:983-993, 1998.
	Ranganathan and Horvitz, "mod-1 and mod-5, Two Genes Involved in the Serotonin-Mediated Experience-Dependent Modulation of Locomotion," 1998 East Coast <i>C. elegans</i> Meeting, May 12, 1998.
	Ranganathan et al., "An Ionotropic Serotonin Receptor and a Serotonin Reuptake Transporter are Involved in Experience-Dependent Modulation of Behavior," 1999 International <i>C. elegans</i> Meeting, March 17, 1999.
	Scrogin et al., "Multiple receptor subtypes mediate the effects of serotonin on rat subfornical organ neurons," <i>Am. J. Physiol.</i> , 275(6 Pt 2):R2035-R2042, 1998.

EXAMINER	<i>Joe Wadach</i>	DATE CONSIDERED	10/20/02
----------	-------------------	-----------------	----------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

01997.521003 1449 Form.wpd



Sheet 1 of 2

MAY 03 2002

RECEIVED

TECH CENTER 1600/2900

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 C.F.R. §1.98(b))

Attorney Docket No.

01997/521003

Serial No.

09/717,743

Applicant

Rajesh Ranganathan et al.

Filing Date

November 21, 2000

Group

1632

IDS Filed

April 23, 2002

Customer No.

21559

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

9w	Blakely <i>et al.</i> , "Cloning and Expression of a Functional Serotonin Transporter from Rat Brain," <i>Nature</i> 354:66-70 (1991).
	Choy and Thomas, "Fluoxetine-Resistant Mutants in <i>C. elegans</i> Define a Novel Family of Transmembrane Proteins," <i>Mol. Cell</i> 4:143-152 (1999).
	Corey <i>et al.</i> , "A Cocaine-Sensitive <i>Drosophila</i> Serotonin Transporter: Cloning, Expression, and Electrophysiological Characterization," <i>Proc. Natl. Acad. Sci. USA</i> 91:1188-1192 (1994).
	Demchyshyn <i>et al.</i> , "Cloning, Expression, and Localization of a Chloride-Facilitated, Cocaine-Sensitive Serotonin Transporter from <i>Drosophila melanogaster</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 91:5158-5162 (1994).
	Desai <i>et al.</i> , "A Genetic Pathway for the Development of the <i>Caenorhabditis elegans</i> HSN Motor Neurons," <i>Nature</i> 336:638-646 (1988).
	Hamdan <i>et al.</i> , "Characterization of a Novel Serotonin Receptor from <i>Caenorhabditis elegans</i> : Cloning and Expression of Two Splice Variants," <i>Journal of Neurochemistry</i> 72:1372-1383 (1999).
	Horvitz <i>et al.</i> , "Serotonin and Octopamine in the Nematode <i>Caenorhabditis elegans</i> ," <i>Science</i> 216:1012-1014 (1982).
	Huang <i>et al.</i> , "Alternative-Splicing of Serotonin Receptor Isoforms in the Pharynx and Muscle of the Parasitic Nematode, <i>Ascaris suum</i> ," <i>Molecular and Biochemical Parasitology</i> 101:95-106 (1999).
	Mendel <i>et al.</i> , "Participation of the Protein G _i in Multiple Aspects of Behavior in <i>C. elegans</i> ," <i>Science</i> 267:1652-1655 (1995).
	Olde and McCombie, "Molecular Cloning and Functional Expression of a Serotonin Receptor from <i>Caenorhabditis elegans</i> ," <i>Journal of Molecular Neuroscience</i> 7:53-62 (1997).
	Ramamoorthy <i>et al.</i> , "Antidepressant- and Cocaine-Sensitive Human Serotonin Transporter: Molecular Cloning, Expression, and Chromosomal Localization," <i>Proc. Natl. Acad. Sci. USA</i> 90:2542-2546 (1993).
	Ranganathan <i>et al.</i> , "MOD-1 is a Serotonin-Gated Chloride Channel that Modulates Locomotory Behaviour in <i>C. elegans</i> ," <i>Nature</i> 408:470-475 (2000).
	Sawin, "Genetic and Cellular Analysis of Modulated Behaviors in <i>Caenorhabditis elegans</i> ," Massachusetts Institute of Technology, (Ph.D. Thesis) (1996).
	Sawin <i>et al.</i> , " <i>C. elegans</i> Locomotory Rate Is Modulated by the Environment through a Dopaminergic Pathway, and by Experience through a Serotonergic Pathway," <i>Neuron</i> 26:619-631 (2000).

EXAMINER

DATE CONSIDERED

10/15/02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

01997.521003 Supp. Form PTO-1449.wpd

